

Converting Colors

R_YB(99, 62, 144)

Have a look what the booklet for
RYB(99, 62, 144) contains.

RYB(99, 62, 144)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(99, 62, 144)

Conversions

Conversions Part 1

Format	Color
Hex	633E90
RGB	99, 62, 144
RGB Percent	39%, 24%, 56%
CMY	0.6118, 0.7569, 0.4353
CMYK	0.31, 0.57, 0.00, 0.44
HSL	267°, 40%, 40%
HSV	267°, 57%, 56%
XYZ	11.9023, 8.1115, 27.3239
YIQ	82.4110, -4.2700, 33.3460

Conversions

Conversions Part 2

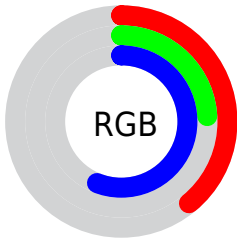
Format	Color
R_{YB}	99, 62, 144
Decimal	6504080
CIE _{Lab}	34.21, 33.71, -39.58
CIE _{LCh}	34, 51.986, 310.424
Yxy	8.1115, 0.2514, 0.1714
Android (android.graphics.Color)	4284694160 (0xFF633E90)
YUV	82.4110, 30.3634, 14.5486
Hunter-Lab	28.4807, 24.7549, -36.9453

Details

The RYB color **99, 62, 144** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **62, 144, 99**, and the grayscale version is **82, 82, 82**.

A 20% lighter version of the original color is **152, 111, 198**, and **48, 16, 93** is the 20% darker color. If you saturate the color by 10%, you get **91, 48, 144**, and if you desaturate by 10%, it is **107, 76, 144**.

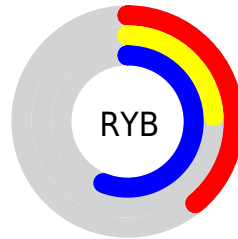
Distribution



Red (39%)

Green (24%)

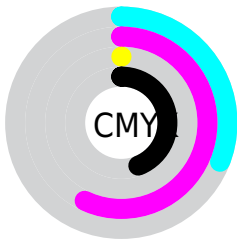
Blue (56%)



Red (39%)

Yellow (24%)

Blue (56%)

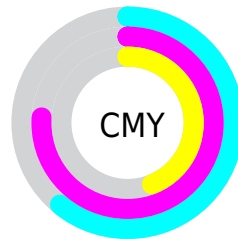


Cyan (31%)

Magenta (57%)

Yellow (0%)

Black (44%)



Cyan (61%)

Magenta (76%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the RYB color 99, 62, 144 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 99, 62, 144 by changing the saturation by 10% instead.



99, 62, 144



99, 62, 144

255, 255, 255



73, 39, 118



152, 111, 198



48, 16, 93



180, 137, 227



23, 0, 69



208, 163, 255



0, 0, 46



237, 191, 255



0, 1, 24



255, 219, 255



0, 0, 0



255, 248, 255



99, 62, 144



99, 62, 144



91, 48, 144



107, 76, 144

■ 83, 33, 144

■ 115, 91, 144

■ 75, 19, 144

■ 123, 105, 144

■ 67, 4, 144

■ 131, 120, 144

■ 65, 0, 144

■ 139, 134, 144

■ 144, 148, 146

■ 144, 163, 153

■ 144, 177, 159

■ 144, 192, 166

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



0, 54, 163



99, 62, 144



139, 40, 109

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



99, 62, 144



92, 120, 0



0, 51, 99

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



99, 62, 144



62, 144, 99

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



0, 64, 97



99, 62, 144



2, 85, 0

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



99, 62, 144



144, 52, 28



3, 92, 58



0, 56, 133

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



99, 62, 144



151, 30, 82



3, 92, 58



0, 54, 98

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



99, 62, 144



169, 155, 186



62, 91, 144



84, 75, 94



222, 222, 222



94, 94, 94

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 62, 144



117, 60, 186



140, 62, 144



67, 64, 71



61, 0, 135



3, 0, 8

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



144, 62, 107



186, 60, 129



62, 144, 140



71, 64, 68



135, 0, 74



8, 0, 4

Previews

White Background



This preview shows how the RYB color 99, 62, 144 looks on a white background.

Color Contrast Check

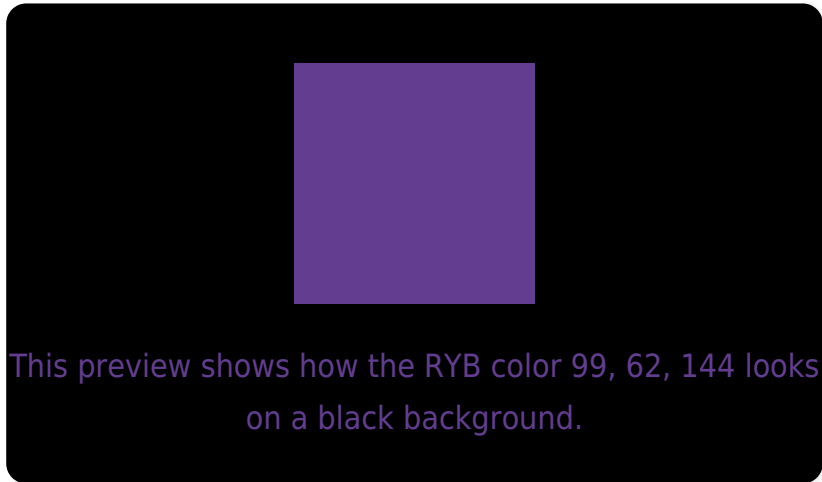
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 99, 62, 144 Background



This preview shows how black text looks on a background with the RYB color 99, 62, 144.



This preview shows how white text looks on a background with the RYB color 99, 62, 144.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
99, 62, 144

Protanopia
27, 64, 161

Deuteranopia
34, 67, 140



Tritanopia

88, 78, 84

Trichromacy



Original Color

99, 62, 144

Protanomaly

53, 69, 155

Deuteranomaly

58, 72, 141

Tritanomaly

92, 72, 106

Monochromacy



Original Color

99, 62, 144

Achromatopsia

82, 82, 82

Achromatomaly

88, 75, 105

CSS Examples

Text

The CSS property to change the color of the text to RYB 99, 62, 144 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(99, 62, 144) looks like.

```
.text, #text, p{  
    color:rgb(99, 62, 144)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(99, 62, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 62, 144) }
```

Border

The CSS property to change the border of an element to RYB 99, 62, 144 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(99, 62, 144) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(99, 62, 144) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(99, 62, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 62, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 62, 144);  
box-shadow:4px 4px 4px 4px rgb(99, 62,  
144) }
```

Background

The CSS property to change the background color of an element to RYB 99, 62, 144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 62, 144) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(99, 62,  
144) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor